



Meadowlark Blacktail Creek Williston, North Dakota		
Daily Report for March 22, 2015		
<u>Weather Overview</u>		
55° F High	27° F Low	<u>Conditions:</u> Sunny.
<u>Activities Taken and Ongoing</u>		
Planning	<ul style="list-style-type: none"> - Conducted surface water sampling in accordance with the Surface Water Sampling and Analysis Plan from March 6, 2015. - Collected daily surface water BC-100- and SW-400-series locations as access and water conditions allowed. - Continued tabulating and validating analytical data. - Continued preparation of daily field sampling, SCAT and operations maps. - Eco/SCAT conducted shoreline surveys to assess oiling characteristics of vegetation along both banks of Blacktail Creek on the east side of Route 85, including SCAT segments 132+00 to 144+00. The team also assisted in directing Operations to segment 132+00 to 138+00 to remove unattached oiled vegetation that had been deposited during high water events. Meandering wildlife searches were also conducted. Water levels continued to recede in Blacktail Creek allowing for improved visibility of shoreline conditions. Observations and collection of lightly oiled dead wildlife included the following: 4 dead crayfish (1 oiled), 2 dead fish (no oil) and 1 catfish (no oil). Carcasses located around SCAT segments 50+00, 56+00, 58+00, 62+00, 64+00, 124+00 and 138+00. The SCAT team prepared material for the upcoming meeting in the morning. 	
Operations	<ul style="list-style-type: none"> - Continued daily water truck count at 6 during the day and 6 at night after reviewing daily chloride results. Removed water from Interceptor Trenches (ITs) only. - Evaluated IT chloride data and turned on additional pumps because water level has decreased and concentrations have increased. - Pumped water from Interceptor Trenches IT-001 through -005, IT-010 through -024 and IT-026 through -028. Did not pump from IT-025 today. - Collected relevant GPS data to update Operational maps. - Industrial Builders did not work today and will not be back onsite until Monday morning. - Removed accessible hydrocarbon-affected vegetation to 2" above ground surface, leaving roots intact. Collected, bagged and placed material in roll-off containers for T&D. - Clean Harbors will ramp up hydrocarbon-affected vegetation removal with 6 additional personnel starting tomorrow. A total of 6 teams will be used to remove impacted vegetation and 5 were operational today. - Clean Harbor strike team worked with SCAT near SW-416 to remove 	



	<p>hydrocarbon impacts and bag them.</p> <ul style="list-style-type: none"> - Continued improving site roads, and graded and compacted Njos road today to remove ruts. - Constructed oil shark panels in Blacktail Creek. - Strata removed and resituated mats near IT-026 and the railroad bridge that were separating with heavy truck traffic. - Strata removed and re-situated mats near IT-004 and IT-005 that were separating with heavy truck traffic. - Strata installed stone at inside-corner sections of mats. - Used pole nets to remove hydrocarbons collecting in containment boom. - Used 70 bbl. vacuum truck to remove hydrocarbons in boom and accessible areas. - Total volume of water pumped through 3/21 = 364,585 Barrels. - No Solids disposed on 3/21.
Logistics	<ul style="list-style-type: none"> - Total staff onsite: 18 [PM – 1, HSE – 1, Ops – 8 (including waste, logistics runner and night coverage), Planning – 8 (0 Planning/Situation Lead, 1 Admin, 1 GIS, 2 Bio assessment/SCAT, 4 Field Assessment Staff)].
<u>Upcoming Activities and Action Items</u>	
Upcoming Activities	<ul style="list-style-type: none"> - Improve site roads. - Perform street sweeping on rig mats. - Remove containment boom that is ineffective or damaged by high water and place in containment cell for decontamination. - Remove accessible hydrocarbon-affected vegetation to 2" above ground surface, leaving roots intact. Collect, bag and place material in roll-off containers for T&D. We will have a full 6 teams working tomorrow. - Continue collecting relevant GPS data to update Operational maps. - Perform oversight on Industrial Builders installation of the sheet pile wall. - Remove hydrocarbon-impacted containment boom in Blacktail Creek and replace with clean boom. - Begin decontamination of oily boom in western containment cell. - Continue maintenance of containment boom, oil shark barriers and ice barriers. - Continue extraction and disposal of water from IT locations. - Review SWPPP field conditions and make necessary changes based on site conditions. - Install wattles around IT-016. - Continue maintenance of Njos roads. - Install reflective markers to prevent vehicle collisions with well stick-ups. - Continue maintenance and troubleshooting on pumps, piping, valves and



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	<p>hose.</p> <ul style="list-style-type: none">- Reconcile vacuum truck waste water tickets and daily totals.- Continue monitoring and recovering hydrocarbon based on SCAT recommendations, weather permitting.- Continue surface water, IT and groundwater sampling.
Action Items	<ul style="list-style-type: none">- Submit work plans and investigation reports to NDDH as per schedule dated February 11, 2015.